

Image
Serial No.: 10/036,604
Inventor(s): Morin et al.

1771
U.S. PTO Customer No. 25280
Case No.: 5388

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application of: Morin et al.
Serial Number: 10/036,604
Filed: December 21, 2001
For: **Low-Shrink Polypropylene Tape Fibers**
Group Art Unit: 1771
Examiner: Juska, Cheryl Ann

Commissioner for Patents
PO Box 1450
Alexandria, VA 22313-1450

Certificate of Mailing Under 37 CFR § 1.8

I hereby certify that this correspondence, and all correspondence referenced herein as being enclosed with this correspondence, is being deposited with the United States Postal Service in an envelope addressed to "Commissioner for Patents, PO Box 1450, Alexandria, VA 22313-1450" with sufficient postage on the following

Date:

March 16, 2004

Signature:

Kerry A. Lawter

Name:

Kerry A. Lawter

Sir:

INFORMATION DISCLOSURE STATEMENT

In compliance with Applicant's duty under 37 CFR §1.56, Applicant hereby submits this Information Disclosure Statement filed according to the provisions of 37 CFR §1.97 and §1.98.

Enclosed herewith is Form PTO-1449 (Modified) which lists various references submitted by Applicant for consideration. Also, enclosed herewith are copies of each of the references listed in the Form PTO-1449 (Modified). The Examiner is requested to review each of the references, indicate that the references were reviewed by initialing the Form PTO-1449 (Modified) for each reference, and returning a copy of the initialed Form PTO-1449 (Modified) to the Applicant.

This information disclosure statement is being submitted after three months of the filing date of the application and after the first Office action on the merits, but before the mailing of a final action, a notice of allowance, or an action that closes the prosecution in the application. As such, Applicant:

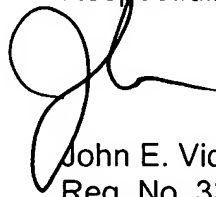
- ☐ Respectfully submits that the each item of information contained herein was first cited in a any communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement and respectfully requests consideration of this Information Disclosure Statement under 37 CFR §1.97(c)(1) and (e)(1).
- ☒ Respectfully requests consideration of this Information Disclosure Statement under 37 CFR §1.97(c)(2) and the Commissioner is hereby authorized to withdraw the fee set forth in 37 CFR §1.17(p) from our Deposit Account 04-0500.

Serial No.: 10/036,604
Inventor(s): Morin et al.

U.S. PTO Customer No. 25280
Case No.: 5388

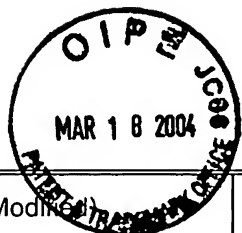
In the event that there are fees associated with the filing of these papers, the Commissioner is hereby authorized to withdraw such fees from our Deposit Account 04-0500

Respectfully Submitted,

A handwritten signature in black ink, appearing to be 'John E. Vick, Jr.', written over the printed name.

John E. Vick, Jr.
Reg. No. 33,808

MILLIKEN & COMPANY
920 Milliken Road, M-495
Spartanburg, SC 29303
(864) 503-1383



Form PTO-1449 (Modified)

Serial No.: 10/036,604

Filing Date: December 21, 2001

INFORMATION DISCLOSURE STATEMENT IN A PATENT APPLICATION

Inventor(s): Morin et al.

Group Art Unit: 1771

Examiner: Juska, Cheryl Ann

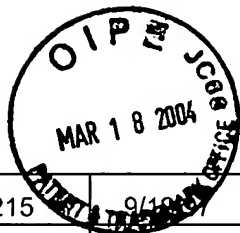
Sheet 1 of 3

US PTO Customer No: 25280

Case No.: 5388

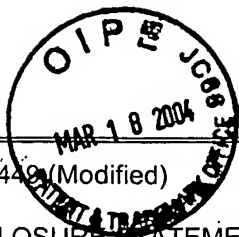
U.S. PATENT DOCUMENTS

EXAMINER INITIALS	IDENTIFIER	DOCUMENT NUMBER	DATE	NAME	CLASS	SUB- CLASS
	AA	5,231,126	7-27-93	Shi et al	524	296
	AB	5,512,357	4-30-96	Shimura et al.	428	283
	AC	5,753,736	5/19/88	Bhat	524	287
	AD	6,135,987	10/24/00	Tsai et al.	604	365
	AE	6,162,887	12/19/00	Yamada et al.	526	351
	AF	6,210,802	4-3-01	Risch et al.	428	398
	AG	6,218,011	4/17/01	Raetzsch et al.	428	394
	AH	6,231,976	5-15-01	Dean et al.	428	373
	AI	6,238,615	5-29-01	Kobayashi et al.	264	537
	AJ	6,261,677	7-17-01	Tsai et al.	428	221
	AK	6,284,370	7-4-01	Fujimoto et al.	428	221
	AL	6,300,415	10-9-01	Okayama et al.	525	191
	AM	2001/0040320	11-15-01	Kobayashi et al.	264	537
	AN	2001/0048179	12-6-01	Stewart et al.	264	211
	AO	2002/0002241	1-3-02	Raetzsch et al.	123	556
	AP	4,463,113	7/31/84	NaKahara et al.	524	117
	AQ	5,049,605	9/17/91	Rekers	524	108
	AR	5,342,868	8/30/94	Kimura et al.	524	108
	AS	6,102,999	8/15/00	Cobb, III et al.	106	243
	AT	6,127,470	10/3/00	Cobb, III et al.	524	367
	AU	6,270,608	8/7/01	Vair, Jr. et al.	156	176
	AV	6,207,600	3/2001	Nakajima et al.	442	311
	AW	5,945,211	8/99	Bersted et al.	428	364
	AX	6,127,440	10/3/00	Sanyasi et al.	521	74
	AY	6,541,554	4/1/03	Morin et al.	524	387
	AZ	4,560,734	12/24/85	Fujishita et al.	526	142
	BA	6,203,881	3/20/01	Higgins	428	95
	BB	6,468,623	11/22/02	Higgins	428	95



	BC	5,945,215	9/18/87	Bersted et al.	428	364
	BD	6,559,216	5/03	Zhao et al.	524	336
	BE	4,522,857	6/11/85	Higgins	428	95
	BF	5,540,968	7/30/96	Higgins	428	95
	BG	5,545,276	8/13/96	Higgins	156	79
	BH	5,948,500	9/7/99	Higgins	428	95
	BI	4,171,395	10/16/79	Tillotson	428	95
	BJ	4,132,817	1/2/79	Tillotson	427	244
	BK	4,512,831	4/23/85	Tillotson	156	78
	BL	4,116,626	9/26/78	Varner	4	149
	BM	5,136,520	8/4/92	Cox	364	470
	BN	5,208,592	5-4-93	Johnson, Jr.	341	63
	BO	6,534,574	3/03	Zhao et al.	524	284
	BP	6,559,211	5/03	Zhao et al.	524	285
	BQ	6,656,404	12/03	Morin	264	210.5
	BR	6,110,588	8/29/00	Perez et al.	428	359
	BS	6,420,024	7/16/02	Perez et al.	428	359
	BT	6,358,450	3/19/02	Sun	264	178
	BU	5,912,292	6/15/99	Sun	524	301
Examiner:				Date Considered:		

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



Form PTO-1449 (Modified)		Serial No.: 10/036,604	Filing Date: December 21, 2001
INFORMATION DISCLOSURE STATEMENT IN A PATENT APPLICATION		Inventor(s): Morin et al.	
		Group Art Unit: 1771	Examiner: Juska, Cheryl Ann
		US PTO Customer No: 25280	Case No.: 5388
Sheet <u>2</u> of <u>3</u>			
OTHER DOCUMENTS			
EXAMINER INITIALS	IDENTIFIER	INCLUDE: AUTHOR, TITLE, DATE, PERTINENT PAGES, ETC.	
	BV /	Patent abstracts of Japan; publication number 11-061554; date of publication of application 05.03.1999; Highly heat-resistant polypropylene fiber; English translation	
	BW /	Patent abstracts of Japan; publication number 11-181619; date of publication of application 06.07.1999; Highly heat-resistant polypropylene fiber and fiber-reinforced cement molded product using the same; English translation	
	BX /	Patent abstracts of Japan; publication number 2001-081628; date of publication 27.03.2001; Flat yarn for base cloth of needle-punched carpet; English translation	
	BY /	Patent abstracts of Japan; publication number 2002-302825; date of publication 18.10.2002; Highly-resistant polypropylene fibers; English translation	
	BZ /	Article; Journal of applied polymer science, vol. 62, 1965-1975 (1996) John Wiley & Sons, Inc.; Spruiell et al.	
	CA /	Article; The effects of pigments on the development of structure and properties of polypropylene filaments; Antec '91; Lin et al.	
	CB	Article; The role of crystallization kinetics in the development of the structure and properties of polypropylene filaments; © 1993 John Wiley & Sons, Inc.; CCC 0021-8995/93/040623-9	
	CC	Article; Study on the formation of b-crystalline from isotactic polypropylene fiber; fiber and films, Intern. Polymer Processing VI, 1991; Chen et al.	
	CD	Article; Heterogeneous Nucleation of Polypropylene and Polypropylene Fibers; Marcincin et al.; 1994	
Examiner:		Date Considered:	

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

